



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: Rain finally covered the State providing much needed relief from the dry soil conditions of the past several weeks. There were some locally heavy rains in the west that caused some tobacco scalding. Generally, however, the rains were intermittent and slow soakers which greatly changed the soil conditions. **Topsoil moisture** as of Friday, July 15, was rated 9 percent very short, 23 percent short, 58 percent adequate, and 10 percent surplus. **Subsoil moisture** was rated 14 percent very short, 26 percent short, 56 percent adequate, and 4 percent surplus. Fieldwork for the week ending July 15, averaged 2.0 days out of a possible 7 days due to the stalled presence of Hurricane Dennis. The majority of farm work revolved around non fieldwork activities such as the preparation of tobacco barns, but there were a few reports of hay baling and hauling, and the clipping of pastures.

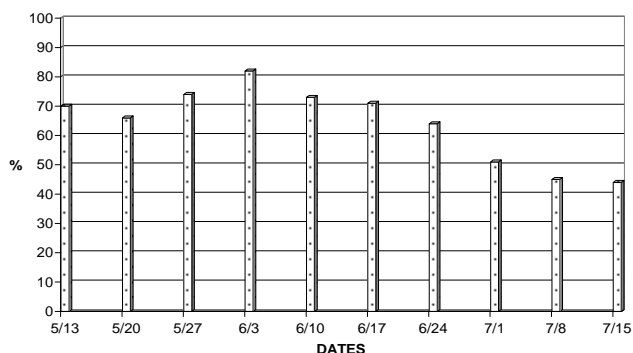
TOBACCO: Tobacco conditions were mixed across the State. Heavy rains in the west brought some reports of scalding and water wilt while the rest of the State received a beneficial soaking. Disease presence was limited with the most commonly reported problem affecting the tobacco being black shank. The prolonged wet spell has raised some concerns over potential blue mold activity. As of Sunday, July 17 the condition of set tobacco was reported as 6 percent very poor, 15 percent poor, 35 percent fair, 37 percent good, and 7 percent excellent. Twenty-two percent of burley tobacco was blooming or beyond, which was behind both last year's 30 percent and the 5 year average of 27 percent. Three percent of burley tobacco has been topped, behind both last year's 13 percent and the 5 year average of 11 percent. Dark tobacco blooming or beyond was 35 percent, compared with 34 percent for 2004 and equals the 5 year average.

CORN: The question seems to be whether the rain came in time to help the majority of the corn crop which was in the silking stage during the dry spell. The condition of the corn was rated 4 percent very poor, 10 percent poor, 25 percent fair, 43 percent good, and 18 percent excellent. Seventy-nine percent of the corn has silked or was silking as of Sunday, July 17, well behind last year's 88 percent, but ahead of the 5 year average of 75 percent. Twenty-five percent of corn was in the milk stage or beyond. This was behind both last year's 39 percent, and the 5 year average of 35 percent.

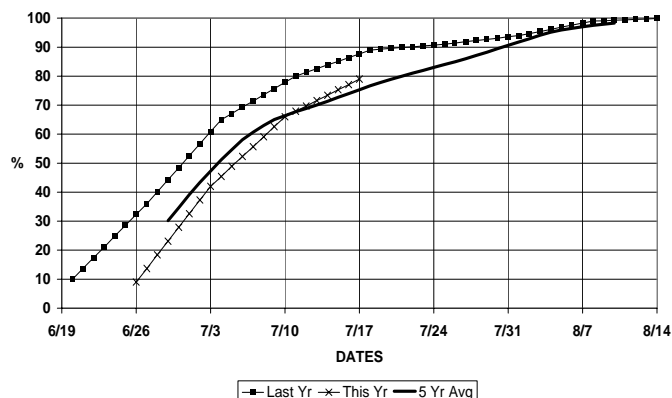
SOYBEANS: As of Sunday, July 17, 55 percent of soybeans were blooming, well ahead of last year's 45 percent, and even better than the five year average of 35 percent. Fifteen percent of the soybeans were setting pods or beyond. This is the same as last year, but slightly ahead of the 5 year average of 12 percent. The soybean condition was rated 2 percent very poor, 4 percent poor, 22 percent fair, 53 percent good, and 19 percent excellent. Soybeans were the crop least affected by the dry weather. Recently germination of planted double-crop soybeans had been a matter of concern until the rains came.

OTHER CROPS: Growing conditions of the hay crop will rebound from the week of rain. Hay condition as of Friday, July 15 was rated 8 percent very poor, 21 percent poor, 43 percent fair, 25 percent good, and 3 percent excellent. Pasture conditions in some areas were of such serious concern prior to the rainy spell that some hay was being fed because pastures were so poor. Pasture conditions as of Friday, July 15 was rated 13 percent very poor, 25 percent poor, 36 percent fair, 24 percent good, and 2 percent excellent.

BURLEY TOBACCO CONDITION
% Good to Excellent



CORN PERCENT SILKED



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 17, 2005
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn					
Silking	79	88	75	66	25
Milk Stage	25	39	35	NA	NA
Soybeans					
Blooming	55	45	35	42	42
Setting Pods	15	15	12	NA	6
Burley Tobacco					
Blooming	22	30	27	NA	NA
Topped	3	13	11	NA	NA
Dark Tobacco					
Blooming	35	34	35	NA	NA

(NA)Data Not Available.

SOIL MOISTURE

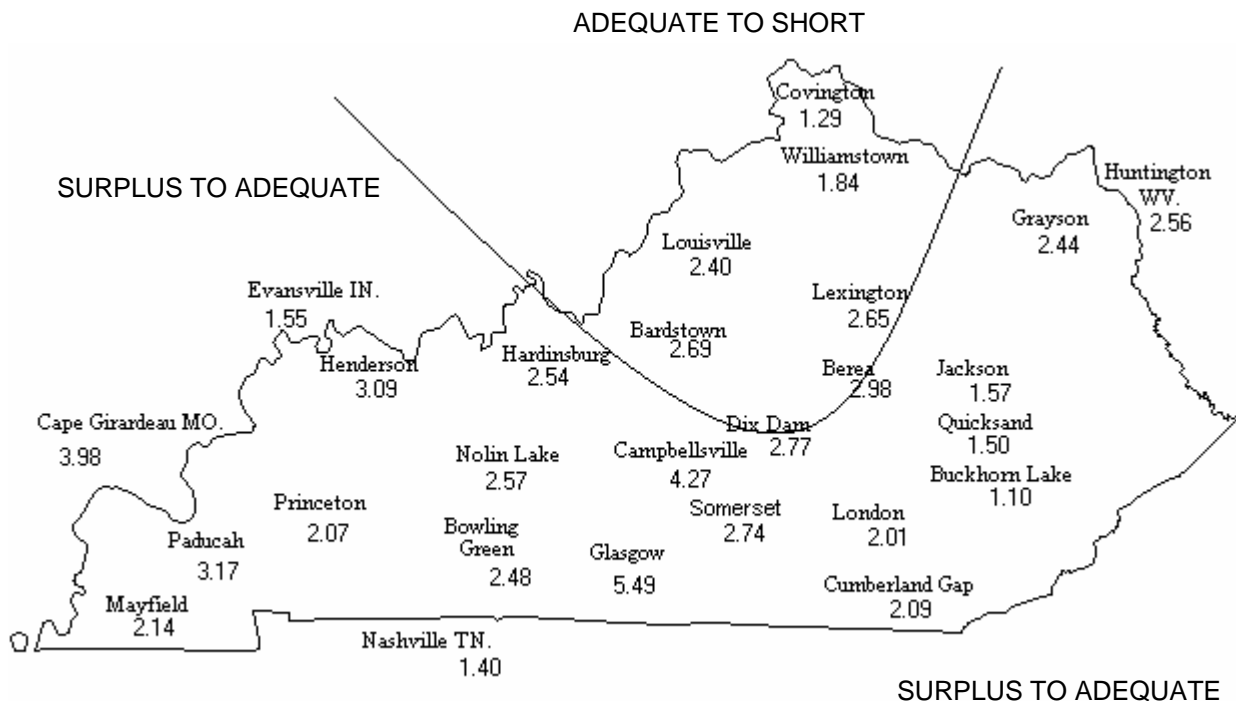
WEEK ENDING JULY 15, 2005
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	9	42
Short	23	45
Adequate	58	12
Surplus	10	1
SUBSOIL		
Very Short	14	31
Short	26	50
Adequate	56	19
Surplus	4	0

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JULY 15, 2005						WEEK ENDING JULY 8, 2005					
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	
Corn	4	10	25	43	18	4	13	32	39	12	
Soybeans	2	4	22	53	19	2	10	33	43	12	
Pasture	13	25	36	24	2	15	32	38	14	1	
Tobacco	6	15	35	37	7	4	15	36	39	6	
Hay Crops	8	21	43	25	3	8	27	42	21	2	

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 17, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 15, 2005



KENTUCKY WEATHER SUMMARY, JULY 11 – 17, 2005:

Below Normal Temperatures and Much Above Normal Rainfall:

The Bluegrass State went from brown to green last week. Scattered to numerous showers and thunderstorms dominated the daily weather situation as the remnants of Hurricane Dennis stalled out over the Ohio Valley most of the period. The tropical airmass provided beneficial rainfall with locally heavy amounts considerably stalling Kentucky's hydrologic and agricultural drought conditions. Rainfall totals of 2 to 4 inches were common with localized amounts of 5 to 6 inches in the west and south.

Temperatures for the period averaged 76 degrees across the State which was 1 degree below normal. High temperatures averaged from 82 in the West to 84 in the East. Departure from normal high temperatures ranged from 8 degrees below normal in the West to 2 degrees below normal in the East. Low temperatures averaged from 71 degrees in the West to 71 degrees in the East. Departure from normal low temperature ranged from 4 degrees above normal in the West to 6 degrees above normal in the East. Extreme high temperatures were in the low 90's and extreme low temperatures were in the low to mid 60's.

Rainfall for the week totaled 2.46 inches statewide which was 1.40 inches above normal. Rainfall totals by climate division, West 2.67 inches, Central 3.03 inches, Bluegrass 2.13 inches and East 2.00 inches, which was 1.74, 1.92, 1.07 and 0.87 inches respectively above normal. By station, rainfall totals ranged from a low of 0.71 inches at Bristol to a high of 5.49 inches at Glasgow.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 17, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	2.69	14.50	3.09	-0.25	-0.99	86	67	75.3	-1	176	1866	+33
Berea	2.98	13.08	4.17	-2.36	+0.30	86	66	76.9	+1	187	1954	+73
Bowling Green	2.48	13.14	3.55	-2.89	-0.58	88	68	76.1	-0	180	1943	+32
Bristol	0.71	15.27	5.33	+2.16	+1.66	86	67	76.4	+1	183	1726	+1
Buckhorn Lake	1.10	9.52	1.76	-5.14	-2.42	86	68	77.1	+2	187	1881	+233
Cape Girardeau	3.98	15.95	5.88	+0.92	+2.67	90	71	78.6	+1	194	1997	-9
Campbellsville	4.27	16.36	4.71	-0.67	+0.24	89	67	77.4	+1	186	1947	+96
Covington	1.29	9.94	2.87	-4.26	-0.86	85	68	76.4	+1	183	1752	+70
Cumberland Gap	2.09	9.45	3.48	-6.59	-0.97	86	68	76.9	+1	186	1879	+184
Dix Dam	2.77	12.85	3.45	-2.50	-0.62	85	66	75.9	+0	179	1877	+44
Evansville	1.55	10.95	1.66	-3.53	-1.84	86	68	75.5	-2	178	1892	-6
Glasgow	5.49	18.29	5.57	+1.17	+0.97	91	67	77.8	+2	187	2055	+234
Grayson	2.44	12.55	3.64	-1.85	-0.43	88	69	78.4	+3	194	1881	+294
Hardinsburg	2.54	12.24	2.84	-3.35	-1.17	85	66	75.1	-1	174	1905	-6
Henderson	3.09	12.61	3.32	-2.23	-0.31	86	69	76.1	-2	181	1935	+7
Huntington	2.56	12.27	3.74	-1.99	-0.32	91	68	79.2	+4	196	1891	+179
Jackson	1.57	16.01	3.80	+0.73	-0.48	86	68	76.3	+1	183	1898	+250
Lexington	2.65	11.21	3.04	-3.54	-1.04	84	67	75.4	-0	176	1809	+97
London	2.01	13.23	3.43	-1.18	-0.51	88	67	76.0	+1	179	1799	+104
Louisville	2.40	12.34	2.68	-2.44	-1.06	84	66	74.0	-2	167	1853	-45
Mayfield	2.14	10.16	2.64	-5.73	-1.06	86	68	76.6	-1	184	1896	-76
Nashville	1.40	12.33	1.77	-2.67	-1.72	90	69	78.1	+2	193	2080	+44
Nolin Lake	2.57	13.88	3.43	-2.82	-0.78	87	67	75.5	-1	175	1938	+182
Paducah	3.17	12.79	4.03	-3.51	+0.25	86	68	75.4	-3	176	2003	+14
Princeton	2.07	11.63	2.52	-4.33	-1.24	90	62	75.7	-2	177	2019	+61
Quicksand	1.50	13.04	2.45	-2.24	-1.83	86	68	77.1	+2	188	1885	+237
Somerset	2.74	14.79	3.64	-1.55	-0.60	88	68	77.4	+2	188	1850	+64
Spindletop	1.26	7.76	1.40	-6.99	-2.68	83	66	74.1	-1	168	1761	+49
Williamstown	1.84	10.49	2.93	-4.32	-0.94	85	68	76.1	+1	181	1777	+65

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

LIVESTOCK WEATHER SAFETY INDEX CHART

Dry Bulb Temp(F)	Relative Humidity Intervals (Percent)									
	10	20	30	40	50	60	70	80	90	100
78			70	71	72	74	75	75	77	78
80		70	72	73	74	75	77	78	79	80
82	70	71	73	74	75	76	78	79	81	82
84	71	72	74	75	77	78	80	81	83	84
86	72	74	75	77	78	80	81	83	84	86
88	73	75	76	78	80	81	83	85	87	88
90	74	76	78	79	81	83	85	87	88	90
92	75	77	79	81	83	84	86	88	90	
94	76	78	80	82	84	86	88	90		
96	77	79	81	84	86	88	90			
98	78	80	82	85	87	89				
100	79	82	84	86	88	91				

EMERGENCY STRESS - Index of 84 or Greater

DANGER STRESS - Index of 79 to 83

NO STRESS - Index of 78 or Less

DANGER - EXPECT 25% or more increase in transit loss!

EMERGENCY - EXPECT 45% or more increase in transit loss!

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